ABSTRACT

A method and a corresponding apparatus provide for both the automatic lacing of a toroidal coil of a stator of a dynamo-electric machine, and the knotting of the end lacing terminal of the lacing cord, by using the same needle and the same thread-guide tube. The apparatus for lacing and knotting comprises an automatic control system that, accomplished the whole lacing operation on the coil, stops the rotation movement of the stator and drives the lacing needle according to a sequence of movements in order to form a plurality of linked rings closed one on the other for obtaining a closing chain on said end lacing terminal. A particular cutting system allows not generating scrap, i.e. undesired cord portions, accelerating the production process and increasing the system reliability.